CLIFFORD®

The Science of Security™

HD

LC3

LE

SECURITY | REMOTE START | CONVENIENCE | 2009

CLIFFORD

The Science of Security™

WHAT'S NEW 2009

Responder® HD

Start at the top with the Innovations Award-winning Clifford 70.7X, featuring Directed's most advanced color remote, operating a one-mile range, 2-Way security and remote start system with an upgraded user interface, mini-USB charging port and patented menu wheel. Some of the milestones achieved by our team include:

- Directed's first One Mile* Range color remote, using 900 MHz Spread Spectrum Technology (SST)
- Priority Graphical User Interface based on Directed's patented Menu Wheel
- New custom Clifford animations, to confirm user commands and illustrate system events
- 16,000 pixel Organic Light Emitting Diode (OLED) full color high contrast panel, with a wide 160° viewing angle, employing an anti-glare polarizer for enhanced daylight visibility
- 20% larger OLED display panel than any previous Clifford display on a keychain remote.
- Clifford Responder HD offers nothing less than a new higher level of connection between drivers and their vehicles!

Matrix® 1X

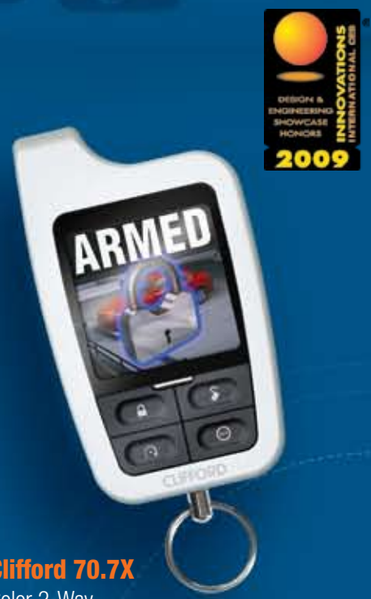
More than ever, security customers want 2-Way remote technology. Clifford adds to your mix with the Matrix 1X– proven Responder technology on the popular "Matrix 1" platform. The more powerful Matrix 12.5X is still the choice for more channels, more input zones and more onboard relays.

Clifford Matrix +I

New for 2009 – significant upgrades to the best-selling Clifford Matiix +I, including:

- Dedicated arm and disarm buttons – your customers love them
- Easier and faster installs with the Control Center – no drilling
- XR+ Superheterodyne Receiver for improved performance

Ask your Directed Sales Manager how the Clifford Matrix 1X and +1 can boost your bottom line this year!



Clifford 70.7X
Color 2-Way

Use the patented Menu Wheel to quickly scroll through system features. Lightning-fast access and amazingly simple to use.

Clifford 50.7X
LCD 2-Way

Responder LC3 combines range of up to one mile with great new features like Active Temp Check, rechargeable battery with mini-USB charging port, and the priority user interface.

Matrix 1X
LCD 2-Way

Add a 2-Way LCD remote to the all-time best-selling Matrix 1 and the result is Clifford's most affordable 2-Way security system ever!

Matrix +1
1-Way Security

The "+" in +1 includes the XR+ Superhet Receiver for improved range, installer-friendly Control Center, and new four-button remotes!

Responder One
One Button 2-Way

Winner of the 2009 CES Innovations Award, Responder One means one button remote start with range up to 2000 feet, plus LED confirmation!

* 1-Mile Range, based on line of sight, unobstructed testing in ideal conditions. Actual range will vary due to local conditions including but not limited to environment, terrain, physical obstructions, vehicle location and orientation, interference and other possible impediments.

SECURITY AND REMOTE START
SYSTEMS

Clifford 70.7X

Color 2-Way

Clifford 50.7X

LCD 2-Way

Clifford 3.3X

2-Way LE

Clifford 2.2

1-Way

Clifford leads the industry in award-winning security & remote start systems with innovative, installer-friendly features designed to boost your margins in the tech bay, including patented Virtual Tach, D2D and XPRESSPORT™, Control Center, Manual Transmission mode, onboard shock sensor, onboard remote start relays and Flex Relays! Plus consumer-friendly features including TempCheck, Remote Start reset, and range your customers can count on every time. That's what makes Clifford the security & remote start leader!

Clifford 70.7X p/n 5902X

Responder HD 2-Way Security and Remote Start System

- Includes One SuperCode SST OLED 2-Way Remote and One 5-Button SuperCode SST 1-Way Remote
- 24 channel remote start, security and keyless entry system
- SST One Mile Range
- Color OLED display with 65k colors
- Rechargeable battery with mini-USB charging port
- Priority Graphical User Interface
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Confirms commands and notifies of system triggers on the remotes Color OLED screen
- Tone and vibrate alert modes
- Defroster Output*
- Active Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind
- Horn Honk*
- SuperCode Technology
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labor may be required.

Clifford 50.7X p/n 5702X

Responder LC3 2-Way Security and Remote Start System

- Includes One 5-Button LCD 2-Way SuperCode SST Remote and One 5-Button 1-Way SuperCode SST Remote
- 24 channel remote start, security and keyless entry system
- SST One Mile Range
- Priority Icon Map with 20% larger display
- Rechargeable battery with mini-USB charging port
- Priority User Interface
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tech–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Confirms commands and notifies of system triggers on the remotes LCD screen
- Tone and vibrate alert modes
- Defroster Output*
- Active Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- SuperCode Technology
- Smart Start & Timer start
- XPRESSPORT™

* Additional parts and labor may be required.

Clifford 3.3X p/n 5202X

Responder LE 2-Way Security and Remote Start System

- Includes One 5-Button 2-Way Remote and One 5-Button 1-Way Remote
- 24 channel remote start, security and keyless entry system
- SuperCode Technology- up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Confirms commands and notifies of system triggers with Ghostlights™ LEDs
- Tone and vibrate alert modes
- Defroster Output*
- Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- SuperCode Technology
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labor may be required.

Clifford 2.2 p/n 5102X

1-Way Security and Remote Start System

- Includes Two 5-Button 1-Way SuperCode Remotes
- 24 channel remote start, security and keyless entry system
- SuperCode Technology- up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Failsafe® Starter Kill
- Revenger® Six-Tone Soft-Chirp Siren
- Stinger® DoubleGuard® Shock Sensor on-board
- Defroster Output*
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind*
- Horn Honk*
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labor may be required.

1-Mile Range, based on line of sight, unobstructed testing in ideal conditions. Actual range will vary due to local conditions including but not limited to environment, terrain, physical obstructions, vehicle location and orientation, interference and other possible impediments.

SECURITY SYSTEMS

Clifford 12.5X
Color 2-Way

Clifford 12.2X
LCD 2-Way

Matrix 12
LCD 2-Way

Matrix 1X
2-Way LED

Matrix +1
1-Way

Clifford offers more choices for you and your customers, from affordable 1-Way to top-of-the-line 2-way systems that provide state of the art protection against thieves and vandals! For customers who don't want to give up their factory key, Directed also offers innovative OEM Security Upgrades that add the pre-entry protection of the Stinger® DoubleGuard® shock sensor, Revenger® six-tone siren and Failsafe® starter kill to virtually any factory keyless entry system.

Clifford 12.5X p/n 3302X
2-Way Security System with Responder Technology

- 6 channel security/keyless entry system
- Confirms commands and system triggers on the transceiver LCD screen
- Clone-Safe® Code-Hopping®
- On-board Door Lock Relays
- Parking Light Flash
- Failsafe® Starter Kill – On-board Relay
- Remote Adjustable Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Dome Light Supervision – On-board Relay
- Comfort Closure
- 5 Auxiliary Outputs
- Horn Honk
- Includes One 2-Way Responder Transceiver and One 4-button transmitter

Clifford 12.2X p/n 3202X
LED 2-Way Security System

- 6 channel security/ keyless entry system
- Confirms commands and system triggers using flashing LEDs on the transceiver
- Clone-Safe® Code-Hopping®
- On-board Door Lock Relays
- Parking Light Flash
- Failsafe® Starter Kill – On-board Relay
- Remote Adjustable Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Dome Light Supervision – On-board Relay
- Comfort Closure
- 5 Auxiliary Outputs
- Horn Honk
- Includes One LED 2-Way Transceiver and One 4-button transmitter

Matrix 12 p/n 3102X
Security System

- 6 channel security/keyless entry system
- Clone-Safe® Code-Hopping®
- On-board Door Lock Relays
- Parking Light Flash
- Failsafe® Starter Kill – On-board Relay
- Remote Adjustable On-board Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Dome Light Supervision – On-board Relay
- Retained Accessory Power
- Comfort Closure
- 5 Auxiliary Outputs
- Horn Honk
- Includes Two 4-button transmitters

Matrix 1X
p/n 3305X
2-Way Security System

- 3 channel security/keyless entry system
- Clone-Safe® Code-Hopping®
- Parking Light Flash
- Failsafe® Starter Kill
- On-board Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Comfort Closure
- 2 Auxiliary Outputs
- Includes One 2-Way Responder transceiver and One 1-way Transmitter

Matrix +1 p/n 3105X
Security System

- 3 channel security/keyless entry system
- Includes two 4-button remotes
- Control Center with integrated valet switch and bright blue Status LED
- Clone-Safe® Code-Hopping®
- Parking Light Flash
- Failsafe® Starter Kill
- On-board Stinger® DoubleGuard® Shock Sensor
- Revenger® Six-Tone Siren
- Bright Blue LED Status Indicator
- Comfort Closure
- 2 Auxiliary Outputs

REMOTE START
SYSTEMS

Clifford 20.7X

LCD 2-Way

Clifford 1.3X

LE 2-Way

Clifford 1.2

1-Way SuperCode™

Responder One

One Button 2-Way

Clifford remote starts millions of vehicles - including stick shift vehicles – and Clifford systems have the very latest digital OEM integration technologies built in! Most include the Innovations Award-winning Xpressport, which allows the CANMAX400DEI dockable bypass & interface to snap right into the Clifford CPU, making a direct digital connection.

Clifford 20.7X p/n 4702X

Responder LC3 2-Way Remote Start with Keyless Entry

- Includes One 5-Button LCD 2-Way SuperCode SST Remote and One 5-Button 1-Way SuperCode SST Remote
- 24 channel remote start, and keyless entry system
- SST One Mile* Range
- Priority Icon Map with 20% larger display
- Rechargeable battery with mini-USB charging port
- Priority User Interface
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Confirms commands on the remotes LCD screen
- Tone and vibrate alert modes
- Defroster Output*
- Active Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind* Output
- Horn Honk*
- SuperCode Technology
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labor may be required.

Clifford 1.3X p/n 4202X

Responder LE 2-Way Remote Start and Keyless Entry System

- Includes One 5-Button 2-Way Remote and One 5-Button 1-Way Remote
- 24 channel remote start, and keyless entry system
- SuperCode Technology- up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Confirms commands and notifies of system triggers with Ghostlights™ LEDs
- Tone and vibrate alert modes
- Defroster Output*
- Temp Check
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind* Output
- Horn Honk*
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labor may be required.

Clifford 1.2 p/n 4102X

1-Way Remote Start

- Includes Two 5-Button 1-Way SuperCode Remotes
- 24 channel remote start, and keyless entry system
- SuperCode Technology- up to 2000 foot range
- D2D port for plug-in Xpresskit vehicle interface
- Virtual Tach–Patented DSP-based tachless solution
- Control Center with integrated valet switch and bright blue Status LED
- Extreme Capacity Relays onboard
- Flex Relays for remote start and light flash
- Defroster Output*
- 4 Auxiliary Channels
- Comfort Closure*
- Parking Light Flash
- Anti-Grind* Output
- Horn Honk*
- Smart Start & Timer Start
- XPRESSPORT™

* Additional parts and labor may be required.

Clifford Responder One p/n 4203X

1-Button Remote Start

- Includes Two ultra-mini 1-Button 2-Way SuperCode Remotes
- Remote Start system
- Virtual Tach
- D2D port for Plug-in Xpresskit vehicle interface
- Parking Light Flash
- Unlock while running*
- Extreme Capacity Relays onboard
- Defroster Output*
- Horn Honk*
- SuperCode™- up to 2000 foot range

* Additional parts and labor may be required.

* 1-Mile Range, based on line of sight, unobstructed testing in ideal conditions. Actual range will vary due to local conditions including but not limited to environment, terrain, physical obstructions, vehicle location and orientation, interference and other possible impediments.

CLIFFORD G5

AvantGuard® 5.1

Security and Remot Start

IntelliGuard® 770

Security System

Concept® 470

Security and Remot Start

Arrow® 5.1

Security System

AvantGuard™ 5.1 p/n 919640

4 Channel security / remote start system with optional keyless entry

- IntelliStart4
- BlackJax5 anti-carjacking system
- ACG2 Anti-Code Grabbing Technology
- Built-in Parking Light Flasher
- Selectable dual-point Smart Secure immobilization
- Remotely adjustable dual-zone OmniSensor
- G5 glass break sensor
- Smart Self - Powered siren
- Bright blue LED status indicator
- PlainView2 coded valet/override switch
- CliffNet DataPort
- 3 Aux Channels
- Includes Two 5-button remote controls

IntelliGuard™ 770 p/n 919621

4 Channel security system with optional keyless entry

- BlackJax5 anti-carjacking system
- ACG2 Anti-Code Grabbing Technology
- Built-in Parking Light Flasher
- Selectable dual-point Smart Secure immobilization
- Remotely adjustable dual-zone OmniSensor
- G5 glass break sensor
- Medallion2 programmable tone speaker siren
- Bright blue LED status indicator
- PlainView2 coded valet/override switch
- CliffNet DataPort
- 3 Aux Channels
- Includes Two 5-button remote controls

Concept™ 470 p/n 919600

Security System

- 3-Channel security system with optional keyless entry
- ACG2 Anti-Code Grabbing Technology
- Built-in Parking Light Flasher
- Selectable dual-point Smart
- Secureimmobilization
- G5 glass break sensor
- Dual stage vibration/impact sensor
- Medallion2 programmable tone speaker siren
- Bright blue LED status indicator
- PlainView2 coded valet/override switch
- CliffNet DataPort
- 2 Aux Channels
- Includes Two 5-button remote controls

Arrow™ 5.1 p/n 919595

Security System

- 2-Channel security system with optional keyless entry
- ACG2 Anti-Code Grabbing Technology
- Built-in Parking Light Flasher
- Fault-proof starter interrupt
- Dual stage vibration/impact sensor
- 6-tone Insignia2 siren
- Bright blue LED status indicator
- PlainView2 coded valet/override switch
- CliffNet DataPort
- 1 Aux Channel
- Includes Two 3-button remote controls

What is G5?

G5 is the revolutionary Fifth Generation in The Science of Security: the first major vehicle security advancement of the 21st century. These are the five generations of Clifford security products that defined an industry:

G1: First remote controlled security systems.

G2: Anti-false alarm technology and the first programmable alarm.

G3: First coded valet/override switch and the first anti-code grabbing encryption algorithm to defeat thieves' remote control cloning devices.

G4: A major leap forward in vehicle security technology, with ingenious advancements that left thieves years behind (or behind bars!) Including the CliffNet digital network between system components and accessories, and the first CliffNet Wizard®.

G5: The most advanced, reliable and uncompromising Clifford systems ever built, backward compatible with G4.

- The legendary CliffNet Wizard is now Windows 2000 and XP Compatible
- The Entire G5 line features the most advanced superheterodyne receiver availabl for optimum range.
- Concept and IntelliGuard models feature the Smart Secure Immobilizer circuit, which eliminates the possibility of stranding the vehicle due to a power failure.
- New Bright Blue Status LED lets thieves know that Clifford G5 is on board.
- Each auxiliary output channel has its own dedicated timer.
- G5 systems feature Normally Closed trigger input for rear defoggers and vehicles with closed loop triggers/externally mounted accessories.
- Five selectable auxiliary output options: Pulse 1 = ignition off only; Pulse 2 = ignition on or off; Timer; Latched; Latched reset when ignition is turned on.
- FACT2 technology allows three alarm triggers before silencing the offending input for heightened security.
- Remote sensor bypass from the transmitter of all warn zones only or all warn and trigger zones anytime the alarm is armed. No time limit to bypass.
- All Concept and Intelliguard systems are compatible with G5 remotely adjustable sensors.
- Auxiliary channel auto activate: Selectable for Off/Arm/Disarm/Arm & disarm.

G5 ACCESSORIES

State-of-the-Art Clifford Accessories are G5 Compatible! Great news about G5 - Clifford has engineered the next generation of technological innovation in vehicle security to be backwards compatible. The core of G5 is CliffNet™, the revolutionary digital link between every Clifford component and major accessory. With CliffNet, each piece in the system is "daisychained" together to offer the highest degree of sophistication, compatibility and reliability, so you can add the following accessories to your G5 system to create the ultimate in security, luxury and convenience.

SmartWindows™ (p/n 903010)

More Power to Power Windows. Open, close and vent the car's power windows using the G5 security system remote control. SmartWindows also adds extra features inside the vehicle: one tap fully open, one tap fully closed. Tap the switch during roll-up and roll-down to instantly stop the window. Vent opening is selectable via the CliffNet Wizard, and can be vented repeatedly after remote arming. The SmartWindows Safety Stop feature halts window movement if there is an obstruction.

Garage Door Interface™ (p/n 519H2)

An Open and Shut Case. The G5-compatible Garage Door Interface offers 66-bit ACG2 anti-code grabbing technology to protect your garage and home from thieves' electronic cloning devices. Controls garage doors and/or entry gate openers using the Clifford G5 system remote control. Installs in minutes with just a screwdriver.

BlackJax™5 (p/n 909505)

Carjacking Response & Vehicle Recovery System. BlackJax is Clifford's unique anti-carjacking response system that puts personal safety first while using innovative advancements to ensure that users can recover the vehicle themselves. If an armed car thief approaches - whether at a stop light or in a parking lot (where most carjackings occur) - immediately turn over the keys and remote and let Clifford technology take over.

Fully automatic: No buttons or transmitters to push when a gun is involved. Just get away from the vehicle. Quick response: BlackJax allows the criminal to drive away a safe distance. Then, a few seconds later, BlackJax blares the siren and flashes the lights to alert other drivers and witnesses. It then pulses down the ignition system to safely force the vehicle to slow to a complete stop. Siren blaring and lights flashing, unable to restart the engine, the carjacker has no choice but to abandon the vehicle.

Immediate vehicle self-recovery: With the vehicle immobilized a short distance away, the owner can recover it. No special tracking units, monthly fees or per-use charges. Just follow the sound of the BlackJax siren, then enter the PIN code. That's it - it's sabotage-proof. The only way to turn off BlackJax is with a secret user-selectable PIN code. If the carjacker tries guessing codes at random, BlackJax actively ignores his code entries for the next few minutes. Even if he were to find and remove the BlackJax control unit, he would still be unable to restart the engine. That's Clifford technology you can count on.

The G5 line features the most advanced superhetero-dyne receiver available for optimum range and an all new bright blue LED!

SmartWindows
(p/n 903010)

Garage Door Interface
(p/n 519H2)

BlackJax5
(p/n 909505)

G5 ACCESSORIES

The innovation and technology that makes these systems so intimidating to thieves is also what makes them so convenient for users. Access up to 16 functions with the press of a button on the remote for literally instant command of an awesome array of security and lifestyle-enhancing features, including remote engine start, remote control trunk release, headlight automation and window auto close.* G5 from Clifford is quite simply the state of the art.

High-Tech Sensors

Extra Sensory Protection. Clifford's ground breaking thinking has also gone into making the ultimate smart sensing technology enhancements.

Digital Tilt Motion Sensor (p/n 507M)

Detects even minor lifting or rolling of the vehicle without any of the false alarms common to all other tilt and motion sensors. Advanced design allows maximum stability in extreme conditions. Motion can be turned off for tilt only sensing. A must for vehicles with upgraded wheels and tires. Automatically self-adjusting

Digital Dual Zone Proximity Sensor p/n 905311

This digital signal processing (DSP) radar sensor's outer perimeter warning zone provides an invisible shield up to a foot outside the closed windows and convertible top. The interior zone instantly blasts the full alarm if someone leans into the passenger compartment. Especially recommended for convertibles and other soft-sided or open vehicles.

Glass Tamper Sensor p/n 506T

Glass Tamper Sensor identifies the sound of glass breaking attempts, and differentiates them from common noises that false alarm other glass sensors. The G5 Glass Tamper Sensor even detects glass punch devices that quietly shatter windows without impact or vibration.

Ultrasonic Sensor (p/n 509U)

The 509U Ultrasonic Sensor is used to provide coverage of a vehicle's interior cabin area. The sensor detects movement inside the vehicle by sensing air disturbance.They should trigger the alarm if a thief has gained access to the interior of your vehicle.

Smart Self-Powered Siren (p/n 515C)

Thieves' Worst Enemy. The world's most advanced and dependable siren for G5 systems. Its built-in battery allows this siren to keep on wailing even if the wires are cut! And its G5 Digital ComLink will detect wire tampering that thieves use to bypass other battery-backed sirens. Its smart charging system won't drain your car battery like other sirens of this type. It will even warn you if the internal battery charge is very low. No override keys are needed like other such sirens. Provides Personalized Siren Sounds even on Clifford G5 security systems lacking that feature (selecting from among 15 different sounds via CliffNet Wizard.)

Glass Tamper Sensor
(p/n 506T)

Smart Self-Powered Siren
(p/n 515C)

Digital Dual Zone Proximity Sensor
(p/n 905311)

Ultrasonic Sensor
(p/n 509U)

SECURITY WITH REMOTE START

SECURITY

REMOTE START

		70.7X	50.7X	3.3X	2.2	12.5X	12.2X	Matrix 12	Matrix 1X	Matrix +1	20.7X	1.3X	1.2	Responder One
Transmitter	Priority User Interface - 4 AUX, 24 functions	•	•	•	•						•	•	•	
	Receiver Channels	24	24	24	24	6	6	6	3	3	24	24	24	2
	Receiver Technology	Responder SST	Responder SST	SuperCode	SuperCode	2-way	2-way	XR+	Responder	XR+	Responder SST	SuperCode	SuperCode	SuperCode
	18 Quintillion codes/Clone-Safe Code Hopping®	•	•	•	•	•	•	•	•	•	•	•	•	•
	Range Extender Antenna	•	•	•	•	•	•	•	•	•	•	•	•	•
	Priority 2-car operation	•	•	•	•						•	•	•	
	Replacement 2-Way Transceiver Part Number	7941X	7752X	7251X		489X	488X		489X		7752X	7251X		TBD
	Replacement 1-Way Transmitter Part Number	7652X	7652X	7152X	7153X	7141X	7141X	7141X	7142X	7142X	7652X	7152X	7153X	
Convenience/Installation	XPRESSPORT Vehicle Interface Dock	•	•	•	•						•	•	•	
	D2D Interface Serial Port	•	•	•	•						•	•	•	•
	Integrated CAN Vehicle Interface													
	Control Center Valet and Switch in Antenna	•	•	•						•	•	•	•	•
	Parking Light Flash	Flex Relay	Flex Relay	Flex Relay	Flex Relay	B	B	B	B	B	Flex Relay	Flex Relay	Flex Relay	•
	Power Door Locks	(+/-)	(+/-)	(+/-)	(+/-)	B	B	B	(+/-)	(+/-)	(+/-)	(+/-)	(+/-)	(-) Unlock
	Sensor Adjustable from Remote	•	•	•	•	•	•	•						
	Door Lock Pulse Duration 0.4/0.8/3.5 sec.	•	•	•	•	•	•	•	•	•	•	•	•	•
	Power Trunk, Channel 2 Output	•	•	•	•	•	•	•	•	•	•	•	•	
	Single/Double Unlock Pulse	•	•	•	•	•	•	•	•	•	•	•	•	
	Unit will accept how many remotes	4	4	4	4	4	4	4	4	4	4	4	4	4
	Ignition Controlled Door locks On/Off	•	•	•	•	•	•	•	•	•	•	•	•	
	Active/Passive Locking	•	•	•	•	•	•	•	•	•	•	•	•	
	Remote Valet®	•	•	•	•	•	•	•	•	•	•	•	•	
	Silent Mode	•	•	•	•	•	•	•	•	•				
	Bitwriter™ Programmable	•	•	•	•	•	•	•	•	•	•	•	•	•
	ESP™ Owner Recognition	•	•	•	•	•	•	•	•	•	•	•	•	
	Domelight Supervision Output	•	•	•	•	B	B	B	•	•	•	•	•	
	Second unlock output (-)	•	•	•	•	•	•	•	•	•	•	•	•	
	Retained Accessory Power					•	•	•						•
	Comfort Closure	•	•	•	•	•	•	•	•	•	•	•	•	
	Double Pulse Lock	•	•	•	•	•	•	•	•	•	•	•	•	
	ESP™ Transmitter Code Linking	•	•	•	•	•	•	•						
Security	Panic	•	•	•	•	•	•	•	•	•	OPTION	OPTION	OPTION	OPTION
	Failsafe® Starter Kill	•	•	•	•	B	B	B	•	•	OPTION	OPTION	OPTION	OPTION
	Stinger® DoubleGuard® Shock Sensor	•	•	•	•	•	•	•	•	•				
	GPP Guaranteed Protection Plan	•	•	•	•	•	•	•	•	•	OPTION	OPTION	OPTION	OPTION
	Revenger® Six-Tone Soft Chirp Neo Siren	•	•	•	•	•	•	•	•	•				
	FACT II On/Off	•	•	•	•	•	•	•	•	•				
	Warn Away®	•	•	•	•	•	•	•	•	•				
	Normally Closed / Normally Open Starter Kill	•	•	•	•	•	•	•	•	•	•	•	•	
	Progressive/Instant Door Trigger	•	•	•	•	•	•	•	•	•				
	Vehicle Recovery System®					•	•	•	•	•				
	VRS® enable via remote control					•	•	•						
	Silent Mode2 sirenless arming	•	•	•										
	Ign. Controlled Domelight On/Off	•	•	•	•	•	•	•	•	•				
	Status LED Light	•	•	•	•	•	•	•	•	•				
	High Security Disarm	•	•	•	•	•	•	•	•	•				
	ESP™ Ghost Switch	•	•	•	•	•	•	•	•	•				
	Multi-Level Arming	5	5	5	5	7	7	7	4	4				
	Zone Identification	Via Remote	Via Remote	Via Remote	•	Via Remote	Via Remote	•	•	•				
	Long Term Event History	•	•	•	•	•	•	•	•	•				
	Active/Passive Arming	•	•	•	•	•	•	•	•	•				
	Chirps On/Off	•	•	•	•	•	•	•	•	•				
	Panic with Ign. On/Off	•	•	•	•	•	•	•	•	•				
	Forced Passive Arming On/Off	•	•	•	•	•	•	•	•	•				
	OEM Security Alert										•	•		
	Selectable Siren / Horn Honk Output	•	•	•	•	•	•	•	•	•				
	Siren Duration in Seconds	1-180	1-180	1-180	1-180	1-180	1-180	1-180	1-180	1-180				
	Transmitter Programming Lock/Unlock	•	•	•	•	•	•	•	•	•	•	•	•	
	Operator Settings Lock/Unlock	•	•	•	•	•	•	•	•	•	•	•	•	
	Transmitter Zap					•	•	•	•	•				
	Dedicated (-) Horn Output	•	•	•	•	•	•	•			•	•	•	
	Disarm w/ Channel 2	•	•	•	•	•	•	•	•	•	•	•	•	
	Sensor Shunt Input					•	•	•						
Remote Start	Remote Start™ *	•	•	•	•	Option	Option	Option	Option	Option	•	•	•	•
	Virtual Tach™	•	•	•	•						•	•	•	•
	Manual-Transmission Compatible	•	•	•	•						•	•	•	
	Temp Check	Active	Active	•							Active	•		
	XCR - On-board Start Relays	•	•	•	•						•	•	•	•
	On-board RS Flex Relay	•	•	•	•						•	•	•	
	Engine Checking On/Off	•	•	•	•						•	•	•	•
	Runtime alert with Runtime Reset	•	•	•							•	•		
	Run Time in Minutes	1-60	1-60	1-60	1-60						1-60	1-60	1-60	1-60
	Crank Times 0.6 - 4.0 seconds	•	•	•	•						•	•	•	•
	Remote Start Status Output	•	•	•	•						•	•	•	•
	Factory Disarm	•	•	•	•						•	•	•	•
	Factory Disarm w/ Channel 2 On/Off	•	•	•	•						•	•	•	•
	Dedicated Factory Re-arm Output	•	•	•	•						•	•	•	•
	Dedicated Defroster Output	•	•	•	•						•	•	•	•
	Turbo Timer	•	•	•	•						•	•	•	•
	Anti-Grind	•	•	•	•						Option	Option	Option	Option
	Built-in Wait-to-Start Timer	•	•	•	•						•	•	•	
	Timer Mode and Smart Start modes	•	•	•	•						•	•	•	
	On-board Thermistor (Temp Check, Smart Start)	•	•	•	•						•	•	•	

CLIFFORD G5

FEATURES	AvantGuard 5.1	Intelliguard 750	Concept 470	Arrow 5.1
Sensors Included	TAt/Prox/Omni	Omni/506T	504C/506T	504C
Sensor Ports	MUX/Prox/Omni	MUX/Prox/Omni	MUX/Prox	MUX
Remote adjust sensor	Y	Y	0	N
Remote Sensor Bypass	Y	Y	Y	Y
User/Installer Prog.	Y	Y	Y	Y
Low batt Indicator	Y	Y	Y	Y
Remote Siren Silencing	Y	Y	Y	Y
Wizard Port	Y	Y	Y	Y
Autolock/Unlock	IGN/RPM	IGN/RPM	IGN/RPM W/IS	IGN/RPM W/IS
Remote panic	Y/pro	Y/pro	Y/pro	Y/pro
Smart Locking(w/panic)	4	Y	Y	Y
Aux Channels	3	3	2	1
Acc. Out AutoActivate x 1 (Off/arm/disarm/both)	Y	Y	Y	Y
Acc. Out Timer	Y x 3	Y x 3	Y x 2	Y
Dual Park Light Relay	Y	Y	Y	Y
Coded Valet	Y	Y	Y	Y
Smart Trunk (Acc. Out)	Y	Y	Y	Y
Smart Auto Testing	Y	Y	Y	Y
Autobypass (trigger)	Y	Y	Y	Y
Autoarming	Y	Y	Y	Y
8-eventTotal Recall	Y	Y	Y	Y
Multiple Car Control	Y	Y	Y	Y
Smartpowerup 2	Y	Y	Y	Y
FACT 2	Y	Y	Y	Y
Receiver	Spread Spectrum	XHF	XHF	XHF
Siren	Backup Battery Prog. Multi-Tone	Programmable Multi-Tone	Programmable Multi-Tone	6 Tone
Quiet/Loud Chirp	Y	Y	Y	Cut Loop
Blackjax	Y	Y	Y	N
2-point Immobilizer	Y	Y	Y	N
Smart failsafe ign. imm.	Y	Y	Y	N
Remote Dome Super	RELAY	RELAY	RELAY	LO CURRENT
Remote Headlights	AUX OUT	AUX OUT	AUX OUT	AUX OUT
Windows Up	O	O	O	O
Door Locks	RELAYS	(+/-)	(+/-)	(+/-)
Double pulse unlock	Y	Y	Y	Y
Double pulse lock	Y	Y	Y	Y
Second unlock ouput	Y	Y	Y	N
Diagnostic Zones	10	10	8	7
Factory disarm	Y	N	N	N
Factory rearm	Y	N	N	N
Remote Start	O	O	O	O
Hood Pin (included)	Y			
(+/-) Diesel inputs	Y			
Safety Shutdown Switch	Y			
Car Finder	Y	W/Panic	W/Panic	W/Panic

All Clifford Matrix Security Systems include:

- Fail-Safe starter kill
- Trunk Release
- Silent Mode arming and disarming
- Soft-Chirp Siren
- Revenger Programmable Six-Tone Siren
- Stinger Double-Guard Shock Sensor
- Warn-Away (lower-level response)
- Progressive Door Trigger
- Nuisance Prevention
- Ghost Switch emergency disarming
- ComfortClosure

All Clifford Matrix Remote Start and Security with Remote Start Systems include:

- Virtual Tach
- D2D serial port for Xpresskits
- Dedicated Lock and Unlock buttons
- 2000-foot range (One Mile Range for SST)
- Slimline remotes with advanced design
- Control Center (for LED models)
- Anti-Grind output (relay required)
- Onboard relays
- Timer Mode
- Keyless Entry (while running for Responder One)

Customer Service
800.753.0600

Direct Fax
800.999.1FAX

Main Toll Free
800.876.0800

Technical Support
800.753.0800

Fax Orders
800.477.1390

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